PROJECT PLANNING FOR THE RECONSTRUCTION OF INTEGRATED HOSPITAL INFORMATION SYSTEM (IHIS) PROTOTYPE BASED ON SOA

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Abstract

Developing hospital information system is costly asset, include in development Integrated Hospital Information System project (IHIS) first release, where total cost that spend for this project is Rp 64.689.350,00. Frequently expensively of the development because of incompatible between the development planning and the execution, such as at the IHIS first release project failed to fulfill its target, time and cost, that has been planned. Besides that, the complexity of the difference bussiness need between hospitals caused difference in application, thus the project development must be started from the beginning.

In order to minimizing the cost and time in the development hospital information system, then we used application designing model that known as Service Oriented Architecture (SOA). To know the overview of activities and project estimation from a hospital information system development based on SOA, in this final project there will made a project planning for the reconstruction of Integrated Hospital Information System based on SOA. The steps for this final project are (1). Information gathering for the result of restructuring IHIS component; (2) Project planning; (3). Creating document and report.

This final project give result project planning with duration 40 days with total predicting cost Rp 22.797.868 from total cost in contract Rp 30.000.000,00. This project planning included with
scope baseline, schedule baseline, cost baseline, and quality baseline. The project baseline can be made as guide in project execution.

Keywords: Project planning, Service Oriented Architecture, Integrated Hospital Information System.